

# The digital future of rail is bright

As the digital landscape and rail technology evolve, an effective TEN-T policy can support new opportunities and EU-wide implementation.

## Digitalisation is helping to deliver:

Top quality, reliable, safe rail infrastructure and more capacity



Efficient, customer-oriented freight services



Comfortable, user-friendly passenger services for an exceptional travel experience



## KEY INGREDIENTS IN RAIL DIGITALISATION

### Digital Capacity Management



Facilitating the complete capacity management process, from advance planning to the train run

### Digital translation tool



Facilitating cross-border exchanges between train drivers and local infrastructure managers



Supporting digital rail operations and enhancing passengers' on-board experience should be deployed all along the TEN-T starting from the Core Network



Digital Capacity Management



Digital translation tool



Automatic Train Operation



### Automatic Train Operation

Automated and highly optimised train control



Digital Automatic Coupling



### Digital Automatic Coupling

Enabling simpler, safer, more efficient rail freight operations



Satellite technology



Digital Platforms



ERTMS



ERTMS

A single system to manage all rail traffic in Europe

### Satellite technology



Tracking the position and speed of trains without the need for costly trackside hardware

### Digital Platforms



Offering a consolidated data system to deliver seamless international and multimodal transport

- **Business-to-Customer** (e.g. Ticketing)
- **Business-to-Business** (e.g. Freight Operations)
- **Business-to-Administration** (e.g. eFTI Regulation)